FIG. 18

Reduction of Machine Direction Tensile Strength

▲ CWP Rubber-Steel A CWP Perforate —— TAD Perforate 120 90 Emboss Depth (.001 inch) 8 8 9 ន្ត 35.0% %0.0 30.0% 25.0% 20.0% 15.0% 10.0% 5.0% -2.0% -10.0% MD Dry Tensile Loss (%)

7 deg. sidewall 9 deg. sidewall - 11 deg sidewall 34 N/P = Half Step/Full Step NN ¥ Z 32 N = No Picking P = Picking 30 √Where; 28 Emboss Engagement (mils) Fiber Picking With 45 mil Embossing Rolls--Beveled Ovals 26 22 20 Base Sheet Caliper = 6.4mils 2 N/N 16 N/N တ ဖ

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Element Clearance (mils)

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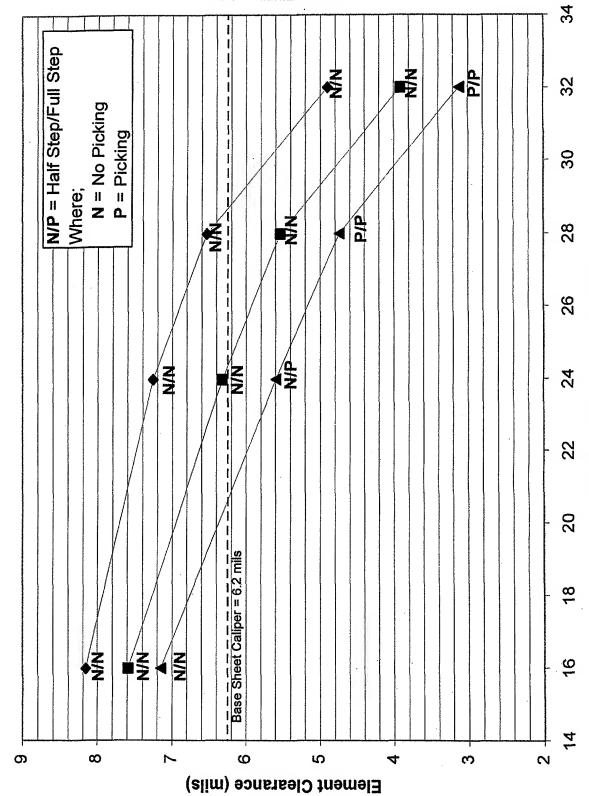
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FIG. 20

Fiber Picking With 42.5 mil Embossing Rolls--Beveled Ovals

- 7 deg. sidewall
- 9 deg. sidewall
- 11 deg sidewall



Emboss Engagement (mils)